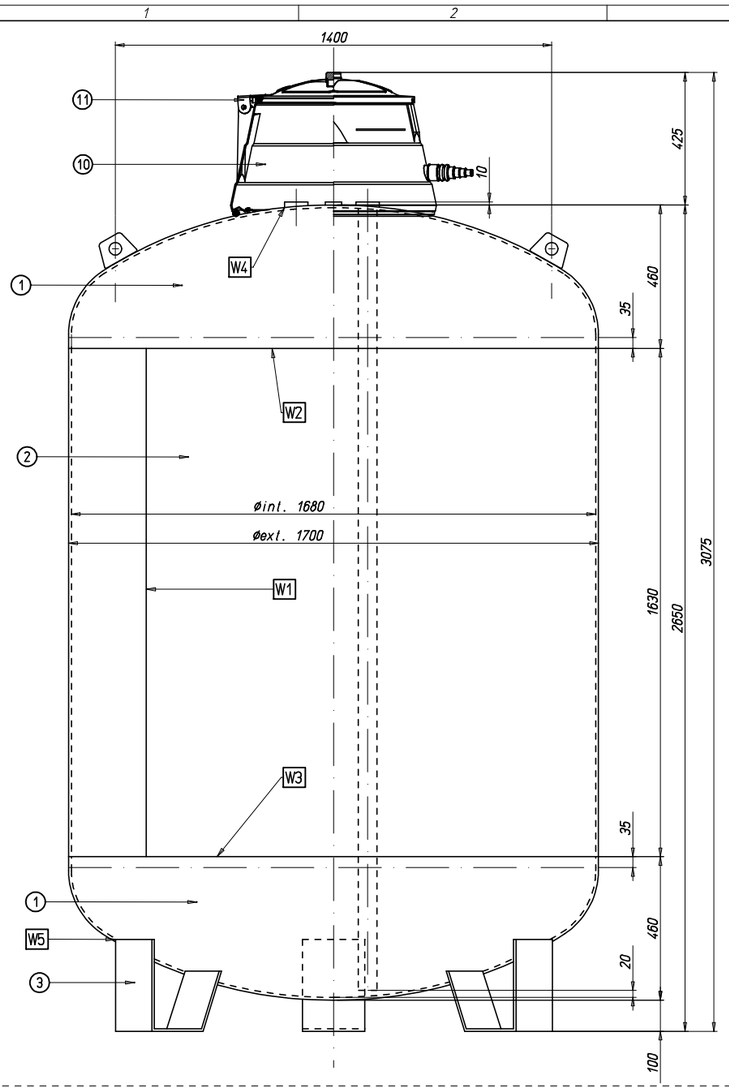
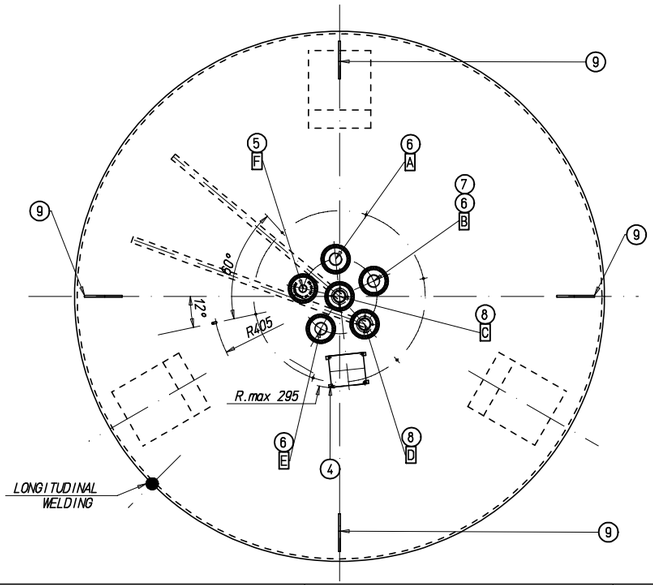
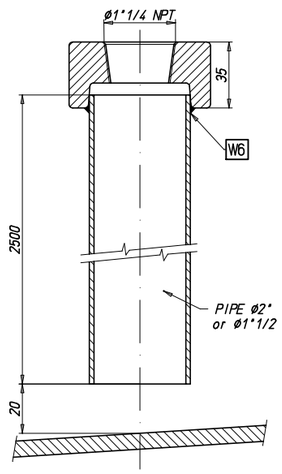
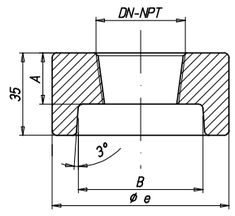




STUB PIPES POS. B



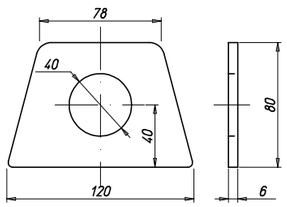
STB PIPES POS. A-B-E-F



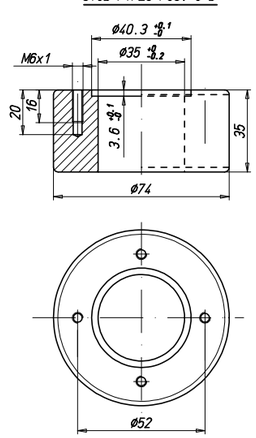
THREAD=2.210

DN	A	B	ø e
3/4"	14.054	55	74
1 1/4"	17.295	60	74

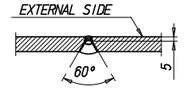
HOOKS FOR LIFTING - POS.9



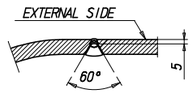
STUB PIPES POS. C-D



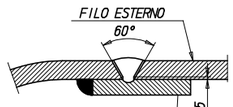
W.1



W.2

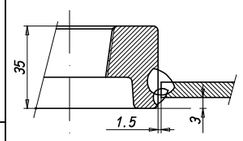


W.3



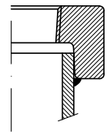
SUPPORT WELDING PLATE, TO REMAIN ON THE SPOT. IT DOESN'T PRODUCE CORROSION NEITHER COMPROMISES THE STABILITY AND THE FUNCTIONALITY OF THE CONTAINER

W.4

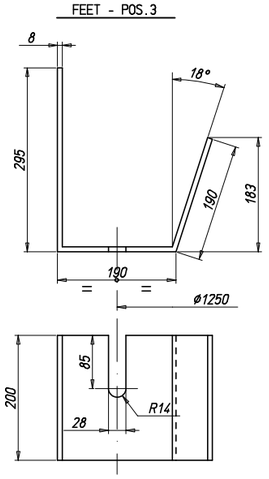


W.5

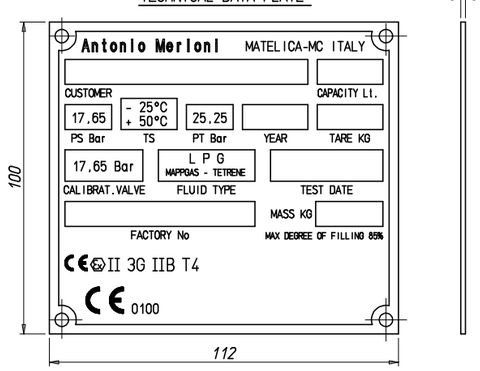
W.6



FEET - POS.3



TECHNICAL DATA PLATE



NOTE GENERALI

1- The holes of the flanges will have to be joggled respect of the principal axes of the tank showed on the drawing.

2- Except where otherwise pointed out, the welding will be continuous and will have the cathetus of welding equal to 7/10 of the least thickness to weld.

3- The inside edges of the openings will have rounded out.

4- Elliptical ends formed to cold in an only piece (EN14075 point 7.5.2.1)

5- Tank projected, built and tested in according to 97/23/CE directive.

6- Weldings according to ISPESL CODE "S" TABLE S9.1C

7- The materials will be supplied with quality certificate in according to EN 10204 3.1.B.

8- Finish external surfaces: sandblasting gr. SA 2 1/2 painting with epoxy resins thick. ≥ 500 µ.

9- All the measures are express in millimeters.

10- The thickness of the sheet metal are net of the manufacturing and working tolerances.

11- In the project and planning, all the loads stated in the article 1 of D.M. 21-11-72.

12- The containers, during the operation are not subject to any corrosive, abrasive, or erosive action.

13- Dimension tolerance on diameter and cylindrical length=1%

14- The CE marking and all the information riquired are carried on the technical data plate (pos.4) welded on the tank.

PROJECT DATA	
Design pressure (PS):	1,765 MPa
Test Pressure (PT):	2,524 MPa
Design temperature (TS):	-25+50 °C
Service fluids :	see table
Calculation norm:	EN14075 annex E and VSR rev:'95 ed.'99 in according to PED
Ancc joint efficiency :	0.85
RX of the weldings according to ISPESL CODE "S"	
Defectology in according to Annex D EN14075 Table D1-D2-D3	
Category P.E.D : IV	
Ovality max : 1%	

LIQUID GAS				
CONVENZIONAL NAME	TENS.VAP. +50 °C bar	Kg./LITRE	C_3H_4 %	MIXTURE STABILZ. %
MAPP GAS	14.5	0.46	63	37
TETRENE	15.4	0.46	41.5	58.5
PROPANE COM.	17.9	0.42	-	-
BUTANE COM.	7.1	0.50	-	-
MIXTURE PROPANE/BUTANE	<17.9>7.1	0.42	-	-

POS.	TYPE	No. PIECES	MATERIALS	NOTES
1	Ellipsodail ends 2:1 nominal thickness 10mm Minimum thickness of calcuallion 8.65mm	2	P 355 NH UNI EN 10028.3	NORMALIZED AFTER FORMING
2	Steel plate mm3 1650x5670 nominal thick.9,5 Minimum thickness of calcuallion 9.01mm	1	P 355 NH UNI EN 10028.3	Cylindrical shell
3	Steel plate mm 675 x 200 thick. 8	3	S 235 JR UNI EN 10025	feet
4	Steel plate mm 185 x 10 thick. 3	2	S 235 JR UNI EN 10025	plate support
5	Stub pipe threaded 3/4" NPT	1	ASTM A 350 LF 2	
6	Stub pipe threaded 1"1/4 NPT	3	ASTM A 350 LF 2	
7	Pipe ø60.3 Length mm. 2500	1	ASTM A 333 Gr 6	
8	Stub pipe ø74	2	ASTM A 350 LF 2	for level indicator
9	Steel plate 120 x 80 sp. thick. 6	4	S 235 JR UNI EN 10025	hooks for lifting
10	Protection Hood	1	polyethylene HD	
11	Cover of Protection hood	1	inox steel green painted	

LIST OF FITTINGS				
POS.	No.	ø/D.N.	TYPE	SERVICE
A	1	1"1/4	STUB PIPE THREADED NPT	SAFETY RELIEF VALVE
B	1	1"1/4	STUB PIPE THREADED NPT	LIQUID WITHDRAWAL
C	1	ø 74	STUB PIPE	LEVEL GAUGE INDICATOR
D	1	ø 74	STUB PIPE	LEVEL GAUGE INDICATOR
E	1	1"1/4	STUB PIPE THREADED NPT	FILLER VALVE
F	1	3/4"	STUB PIPE THREADED NPT	MULTIVALVE ASSEMBLY

MODIFICHE	N° C.T.	DISEGNATO	APPROVATO	DATA

Antonio Merloni CYLINDERS & TANKS
62024 Matelica(MC)Italy, via A.Merloni,2
Tel.+39 0737781711 Fax +39 0737787204

M.Capersi - - 01-08-08

UNDERGROUND VERTICAL TANK LPG
ø1700
W.C. 5.000 LITRES

SCALA 1:10
MATERIALE: SEE TABLE
PEZZI N° 1
FINITURA: - -
CODICE: - -
DISEGNO N° 2045/179

C:\Documents and Settings\cprmra\Desktop\5000 veri\2045-179_rev00_EN.d 0909070829